



1998 Toxics Release Inventory

COLORADO

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	4,046,360	21,092,244	25,138,604
Air Emissions	2,987,059	2,007,563	4,994,622
Surface Water Discharges	996,480	5,496	1,001,976
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	3,975,708	3,975,708
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	62,821	15,103,477	15,166,298
Off-site Releases (Transfers Off-site to Disposal)*	1,048,238	4,070,883	5,119,121
Total On- and Off-site Releases	5,094,598	25,163,127	30,257,725
Recycled On-site	15,020,295	3,830	15,024,125
Recycled Off-site	19,227,144	2,055	19,229,199
Energy Recovery On-site	392,668	0	392,668
Energy Recovery Off-site	4,745,334	44,613	4,789,947
Treated On-site	6,941,988	2,298,090	9,240,078
Treated Off-site**	3,280,735	1,756	3,282,491
Quantity Released On- and Off-site***	5,249,439	25,406,567	30,656,006
Total Production-related Waste Managed	54,857,603	27,756,911	82,614,514
Total Non-production-related Waste Managed	82,863	46,195	129,058

Transfers Off-site for Further Waste Management/Disposal

Recycling	19,364,519	46,310	19,410,829
Energy Recovery	4,961,021	878	4,961,899
Treatment	1,907,081	56	1,907,137
Publicly Owned Treatment Works (POTWs)	1,133,007	500	1,133,507
Metals and Metal Compounds*	2,621	500	3,121
Non-metal TRI Chemicals**	1,130,386	0	1,130,386
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	1,424,025	4,392,783	5,816,808
Total Transfers Off-site for Further Waste Management/Disposal	28,789,653	4,440,527	33,230,180

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

Kirk Mills
(303) 692-2977
Fax: (303) 782-4969

EPA Regional Contact:

Joyel Dhieux
(303) 312-6447
Fax: (303) 312-6044

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Colorado. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	3,970,971
Square Miles	103,729
Total Facilities	201
Total Forms	632
Form As	151

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	43	27	38
Pounds	5,094,598	25,163,127	30,257,725
National Rank for Total On-site Releases**			
Rank	44	28	37
Pounds	4,046,360	21,092,244	25,138,604
National Rank for Total Releases within State***			
Rank	44	27	37
Pounds	4,946,122	25,164,163	30,110,285
National Rank for Production-related Waste Managed			
Rank	41	31	44
Pounds	54,857,603	27,756,911	82,614,514

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1998 Toxics Release Inventory

COLORADO

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Nitrate compounds	37	959,341	0	3	0	959,381	1,045	0	0
7664-41-7	Ammonia	594,785	10,958	0	3,805	872	610,420	0	872	0
71-36-3	n-Butyl alcohol	528,555	0	0	0	520	529,075	0	520	0
—	Glycol ethers	407,403	5,612	0	0	250	413,265	750	250	0
7439-96-5	Manganese	35,976	6	0	0	371,660	407,642	0	371,660	0
—	Zinc compounds	47,553	5	0	0	313,127	360,685	0	6,555	306,572
7664-38-2	Phosphoric acid	2,236	5	0	14,000	330,000	346,241	0	330,000	0
108-88-3	Toluene	262,961	0	0	0	3,600	266,561	5,097	3,600	0
67-56-1	Methanol	237,525	140	0	24	0	237,689	0	0	0
—	Manganese compounds	7,135	4,100	0	9,500	136,000	156,735	0	99,000	37,000

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Manganese compounds	2,750	1,534	0	7,783,145	520,050	8,307,479	0	539,050	0
—	Barium compounds	16,281	2,244	0	4,131,465	3,313,522	7,463,512	0	3,616,922	0
—	Zinc compounds	2,352	486	3,391,824	2,295,521	67,100	5,757,283	0	67,100	0
7664-39-3	Hydrogen fluoride	1,100,400	0	0	0	0	1,100,400	0	0	0
—	Lead compounds	611	419	479,133	485,147	36,000	1,001,310	0	36,000	0
7647-01-0	Hydrochloric acid	460,605	0	0	0	0	460,605	0	0	0
7664-41-7	Ammonia	290,000	0	0	38,000	0	328,000	0	0	0
—	Copper compounds	448	175	95,881	109,447	40,100	246,051	0	40,100	0
7440-39-3	Barium	72	0	0	71,710	71,711	143,493	0	71,711	0
—	Chromium compounds	273	11	0	21,115	21,000	42,399	0	21,000	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1998 Toxics Release Inventory

COLORADO

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Eastman Kodak Co., Windsor, Weld	52,735	518,581	0	0	0	643	571,959	0	0
Ball Metal Beverage Container Corp., Golden, Jefferson	363,203	0	0	0	0	0	363,203	1,116	0
Holnam Inc. Portland Plant, Florence, Fremont	308,309	0	0	0	0	0	308,309	0	0
Leprino Foods Co., Fort Morgan, Morgan	0	304,346	0	0	0	0	304,346	0	0
Metal Container Corp., Windsor, Weld	278,605	0	0	0	0	0	278,605	500	0
Valley Metal Container, Golden, Jefferson	252,900	1	0	0	0	0	252,901	723	0
Roche Colorado Corp. formerly Syntex Chemicals Inc., Boulder, Boulder	199,830	0	0	0	0	0	199,830	0	0
Coors Brewing Co., Golden, Jefferson	13,744	148,600	0	0	0	0	162,344	330,120	0
Conoco Denver Refy., Commerce City, Adams	125,792	16,252	0	0	0	0	142,044	1,167	0
Gates Rubber Co., Denver, Denver	93,576	0	0	0	0	0	93,576	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Cripple Creek & Victor Gold Mining Co., Victor, Teller	9,055	0	0	0	0	7,482,875	7,491,930	0	0
ASARCO Inc. Leadville Unit Black Cloud Mine, Leadville, Lake	1,408	497	0	3,975,708	0	2,618,474	6,596,087	0	0
Trapper Mining Inc., Craig, Moffat	419	579	0	0	0	1,563,974	1,564,972	0	0
Public Service Co. of Colorado — Hayden Station, Hayden, Routt	712,260	0	0	0	0	479,000	1,191,260	0	0
Rawhide Energy Station, Wellington, Larimer	68,794	0	0	0	0	682,820	751,614	0	0
Public Service Co. of Colorado — Cherokee Station, Denver, Adams	344,170	980	0	0	0	367,700	712,850	887,400	0
Public Service Co. of Colorado — Comanche Station, Pueblo, Pueblo	44,180	1,430	0	0	0	536,000	581,610	190,100	0
Ray Nixon Power Plant, Fountain, El Paso	94,510	0	0	0	0	393,500	488,010	250	0
Public Service Co. of Colorado — Valmont Station, Boulder, Boulder	162,903	0	0	0	0	240,000	402,903	0	0
Public Service Co. of Colorado — Pawnee Station, Brush, Morgan	5,315	0	0	0	0	272,700	278,015	476,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1998 Toxics Release Inventory

COLORADO

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
CF&I Steel L.P. DBA Rocky Mountain Steel Mills, Pueblo, Pueblo	0	5,861,100	0	0	0	0	572,500	6,433,600	0
Eastman Kodak Co., Windsor, Weld	0	132,000	0	0	737,000	92,900	572,470	1,534,370	0
Coors Brewing Co., Golden, Jefferson	0	7,800	0	0	20,000	760	488,600	517,160	3,900
Ball Metal Beverage Container Corp., Golden, Jefferson	0	0	0	880	664,000	0	361,400	1,026,280	0
Holnam Inc. Portland Plant, Florence, Fremont	0	0	0	0	0	0	309,000	309,000	0
Leprino Foods Co., Fort Morgan, Morgan	0	0	0	0	427,319	0	304,346	731,665	0
Metal Container Corp., Windsor, Weld	0	0	0	1,360	7,600	30	279,035	288,025	0
Valley Metal Container, Golden, Jefferson	0	83,000	0	0	600,120	0	255,904	939,024	0
Roche Colorado Corp. formerly Syntex Chemicals Inc., Boulder, Boulder	0	0	0	4,441,500	379,160	127,370	195,000	5,143,030	0
Wright & McGill Co., Denver, Denver	0	0	0	0	20,400	190,000	190,010	400,410	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Cripple Creek & Victor Gold Mining Co., Victor, Teller	0	0	0	0	0	0	7,491,910	7,491,910	0
ASARCO Inc. Leadville Unit Black Cloud Mine, Leadville, Lake	0	0	0	0	0	0	6,596,087	6,596,087	0
Tri-State Generation & Transmission — Craig Station, Craig, Moffat	0	0	0	0	1,514,000	0	1,659,010	3,173,010	0
Public Service Co. of Colorado — Cherokee Station, Denver, Adams	0	0	0	0	0	0	1,635,400	1,635,400	0
Trapper Mining Inc., Craig, Moffat	0	0	0	0	0	0	1,563,000	1,563,000	0
Public Service Co. of Colorado — Hayden Station, Hayden, Routt	0	0	0	0	0	0	1,193,000	1,193,000	0
Public Service Co. of Colorado — Comanche Station, Pueblo, Pueblo	0	0	0	0	0	0	776,740	776,740	0
Public Service Co. of Colorado — Pawnee Station, Brush, Morgan	0	0	0	0	0	0	752,500	752,500	0
Rawhide Energy Station, Wellington, Larimer	0	0	0	0	67,600	0	751,600	819,200	0
Ray Nixon Power Plant, Fountain, El Paso	0	0	0	0	134,000	0	488,000	622,000	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.